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DATE: August 1, 2005

PTO IDENTIFIER: Application Number 10/723,624-Conf. #1146
Patent Number

Inventor: Charles J. Koehler et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (703) 872-9306

FROM: RADER, FISHMAN & GRAUER PLLC

Charles A. Bieneman

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Attorney Dkt. #: 65858-0029

PAGES (Including Cover Sheet): 25

CONTENTS: Amendment (22 pages)
Amendment Transmittal (1 page)
Certificate of Transmission (1 page)

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Application No. (if known): 10/723,624

Attorney Docket No.: 65858-0029

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Amendment (22 pages)

Amendment Transmittal (1 page)

AMENDMENT TRANSMITTAL LETTERDocket No.
65858-0029Application No.
10/723,624-Conf. #1146Filing Date
November 26, 2003Examiner
M. L. BarbeeArt Unit
2857

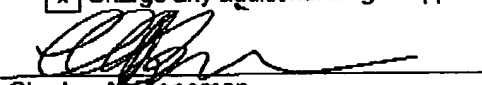
Applicant(s): Charles J. Koehler et al.

Invention: FLUID CONDITION MONITORING USING BROAD SPECTRUM IMPEDANCE
SPECTROSCOPY**TO THE COMMISSIONER FOR PATENTS**

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	120	- 120 =		x	
Independent Claims	7	- 7 =		x	
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify):					
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					0.00

☒ Large Entity☐ Small Entity☒ No additional fee is required for this amendment.☐ Please charge Deposit Account No. _____ in the amount of \$ _____.
A duplicate copy of this sheet is enclosed.☐ A check in the amount of \$ _____ to cover the filing fee is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized to charge and credit Deposit Account No. 18-0013
as described below. A duplicate copy of this sheet is enclosed.☒ Credit any overpayment.☒ Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.

 Charles A. Bieneman
 Attorney Reg. No.: 51,472
Dated: August 1, 2005
 RADER, FISHMAN & GRAUER PLLC
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Amendment Transmittal

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Docket No.: 65858-0029
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Dated: August 1, 2005

Signature: Heather Edwards
(Heather Edwards)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:
Charles J. Koehler et al.

Application No.: 10/723,624

Confirmation No.: 1146

Filed: November 26, 2003

Art Unit: 2857

For: FLUID CONDITION MONITORING USING
BROAD SPECTRUM IMPEDANCE
SPECTROSCOPY

Examiner: M. L. Barbee

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the non-final Office Action dated May 2, 2005 ("Office Action"), please amend the above-identified U.S. patent application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 19 of this paper.